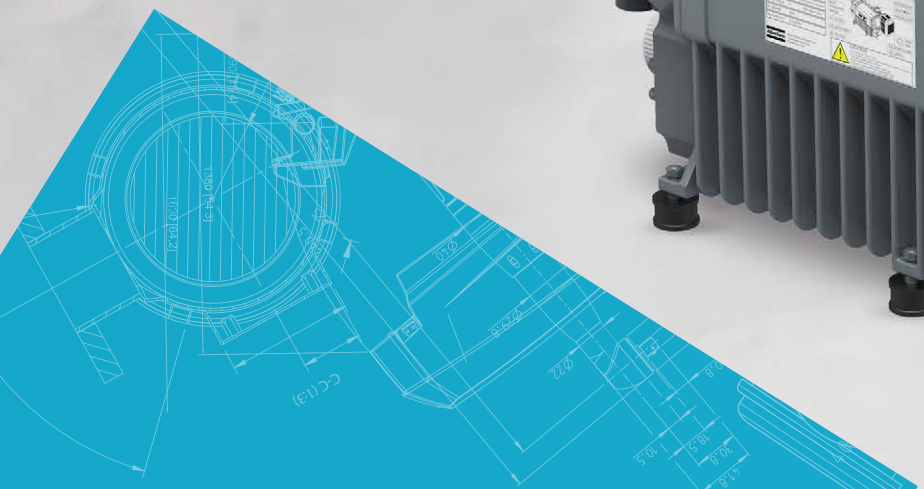
Atlas Copco

Atlas Copco
Vacuum
Solutions



GVS 16-300 R

Single Stage Oil-sealed rotary vane vacuum pumps

high quality

At Atlas Copco we have been developing state-of-the art vacuum pumps for many years, utilizing our core technologies. We constantly aim to innovate technologies, improve performance and target new application areas. The characteristics of our oil-sealed rotary vane vacuum pumps complement those that have made Atlas Copco the standout worldwide supplier of vacuum solutions: high quality, impressive reliability and low life-cycle cost.

Reliable and robust

‘Made in India’ rotary vane vacuum pumps

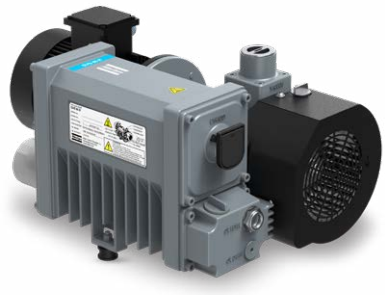
The GVS R series is a robust and highly regarded range of vacuum pumps with a technologically advanced design that is ‘Made in India’. The GVS R series are single stage, oil-sealed vacuum pumps that operate according to the proven oil-sealed rotary vane principle that has been successfully used for many years in all general vacuum applications of the industry.

impressive reliability — low life-cycle cost

The **GVS R** series

GVS 16 R

GVS 40 R



GVS 65 R

GVS 100 R

GVS 200 R

GVS 300 R

Reliable technology for vacuum processes

Atlas Copco has packed the GVS 16-300 R range with innovative features that ensure the consistent vacuum performance at the lowest possible life-cycle cost.

Features

- Integral anti-suck back valve
- Gas ballast valve as a standard - increased water handling capacity
- Exhaust mist filter with built-in bypass valve
- Premium efficiency IE3 standard main motor

Key features

High pumping speed even at low pressures

Robust and compact

Quiet operation

Minimal vibration

Air-cooled

Minimal oil consumption

Service support and maintenance

Complete service with our Preventive Care plan

We take over the maintenance planning and responsibility for servicing your vacuum pump on a regular basis. Our Preventive Care plan is tailored to your pump's needs. As your pump is serviced with the latest technology, high levels of energy efficiency are achieved. We will also optimize service events to reduce your total cost of ownership and increase your productivity. This allows you to focus fully on your production.

Maximize lifetime of your vacuum pumps

Our vacuum specialists are well-trained and experts in the field. They will help you to improve uptime and protect your processes. Regular maintenance conducted by one of our vacuum specialists reduces the risk of deterioration. Damaged or worn parts will be replaced with genuine Atlas Copco spare parts to protect your investment and increase the lifespan of your vacuum pumps.

Cost-effective approach

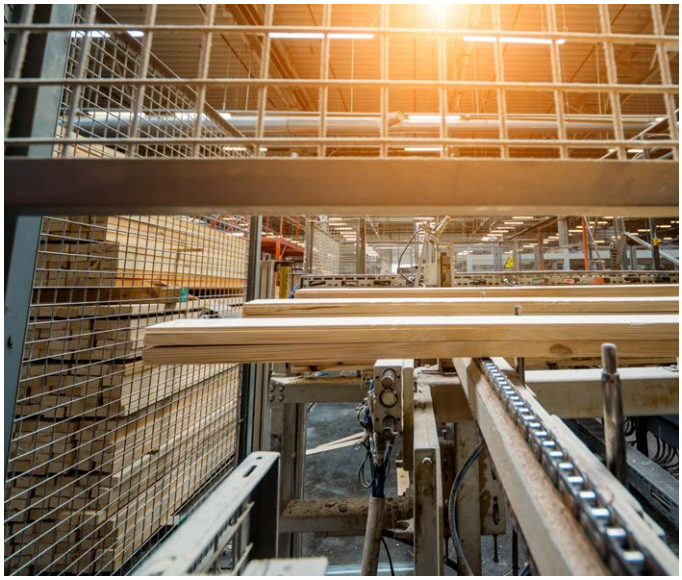
Regular scheduled maintenance can identify potential problems before they occur and plans can be structured around your individual production situation. Preventive Care enables cost management as you can plan your maintenance costs in advance. In this way, expenses associated with unplanned downtime are minimized.

Reliability meets non-stop productivity

We use genuine Atlas Copco spare parts and oil and our services are conducted by vacuum specialists. This enhances your vacuum pump performance, reducing the risk of downtime and enabling your production to run more smoothly.

Applications

- Transformer oil filtration
- Wood working
- Medical vacuum
- Automotive parts making
- Drying
- Pick and place
- R&D lab
- Aerospace/Wind turbine
- Material handling
- Printing and packaging
- Rubber and plastics
- Injection moulding
- Clay moulding
- Capsule filling
- Blister packing (Pharmaceutical)
- Food packaging
- Resin impregnation



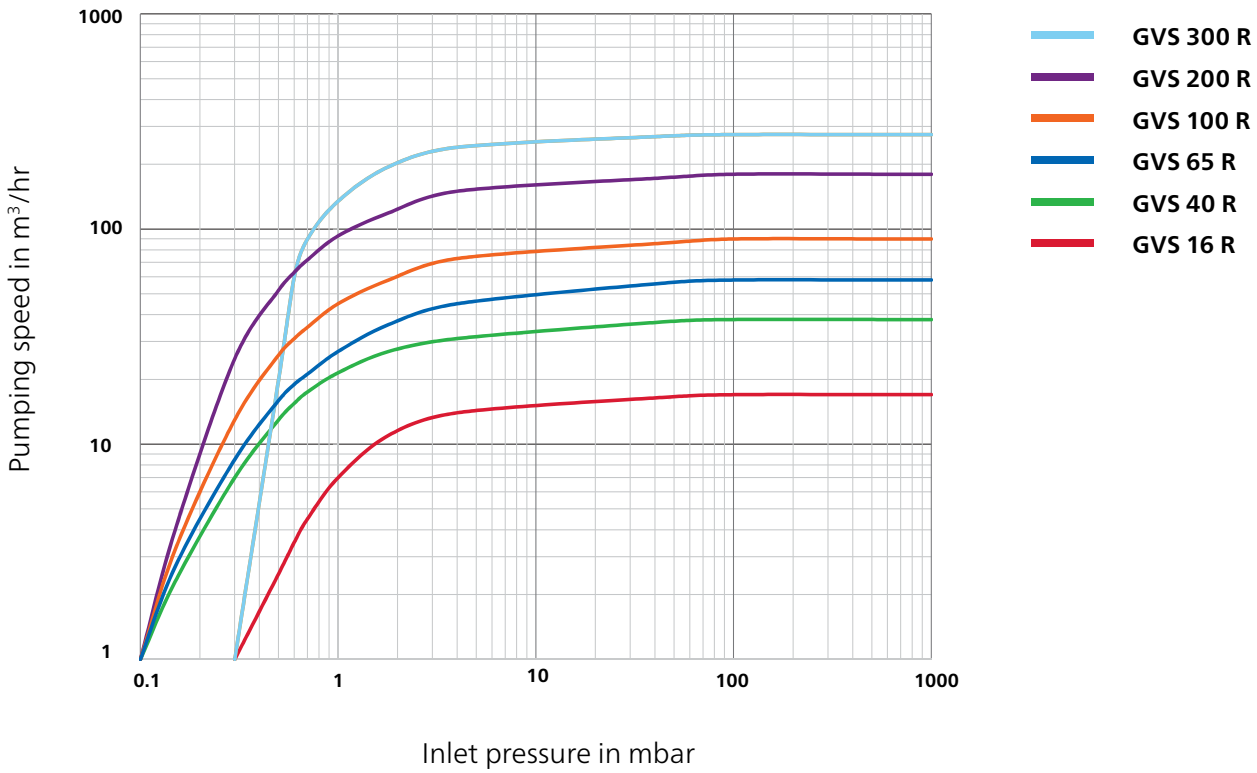
Technical specifications

	Unit		GVS 16 R		GVS 40 R		GVS 65 R		GVS 100 R		GVS 200 R		GVS 300 R	
Nominal pumping speed @ 50Hz	m^3/h	(L/min)	17	(284)	43	(717)	65	(1083)	102	(1700)	192	(3200)	300	(5001)
Ultimate vacuum (Total pressure)	Gas ballast closed in mbar (Torr)		≤ 0.3 (0.22)		≤ 0.1 (0.07)		≤ 0.1 (0.07)		≤ 0.1 (0.07)		≤ 0.1 (0.07)		≤ 0.3 (0.22)	
	Gas ballast open in mbar (Torr)		≤ 1.5 (1.125)		≤ 1.5 (1.125)		≤ 1.5 (1.125)		≤ 1.5 (1.125)		≤ 1.5 (1.125)		≤ 1.8 (1.35)	
Nominal power rating at 50Hz	Kw (hp)**		0.55 (0.75)		1.1 (1.5)		1.5 (2)		2.2 (3)		3.7 (5)		5.5 (7.5)	
Motor rotational speed at 50Hz	rpm		1500		1000		1500		1500		1500		1500	
Water vapor tolerance	mbar		40		40		40		40		30		30	
Water vapor pumping capacity	kg/h		0.3		0.9		1.4		2.2		2.5		4.5	
Inlet connection			G $^3/_4$" F		G 1 $^1/_4$" F		G 1 $^1/_4$" F		G 1 $^1/_4$" F		G 2" F		G 2" F	
Outlet connection			G $^3/_4$" F		G 1 $^1/_4$" F		G 1 $^1/_4$" F		G 1 $^1/_4$" F		G 2" F		G 2" F	
Weight	kg		29#		53		59		80		139		193	
Power supply			Three Phase* 415V, 50Hz		Three Phase 415V, 50Hz									

** One step higher size motor available
* Optional single phase motor available

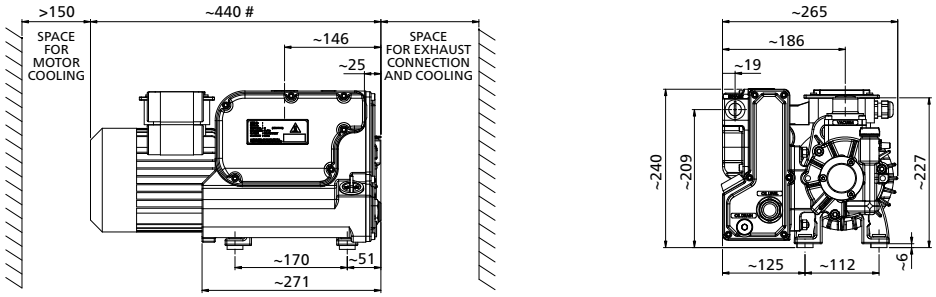
Overall length, width and mass of the pump may vary with motor variant

Performance curves

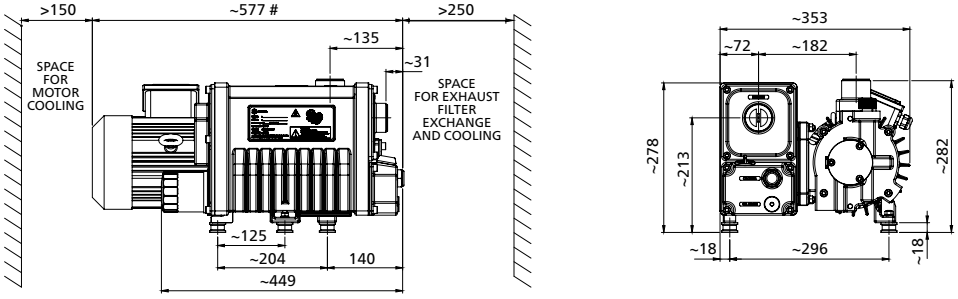


Technical drawings

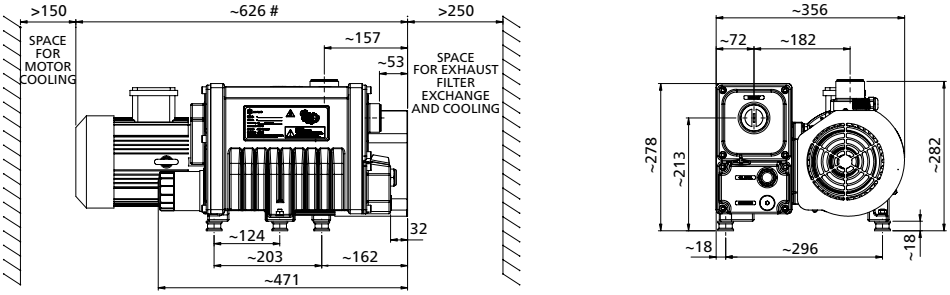
GVS 16 R



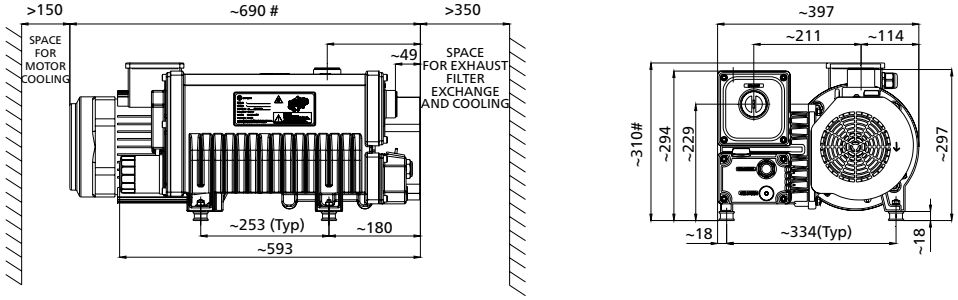
GVS 40 R



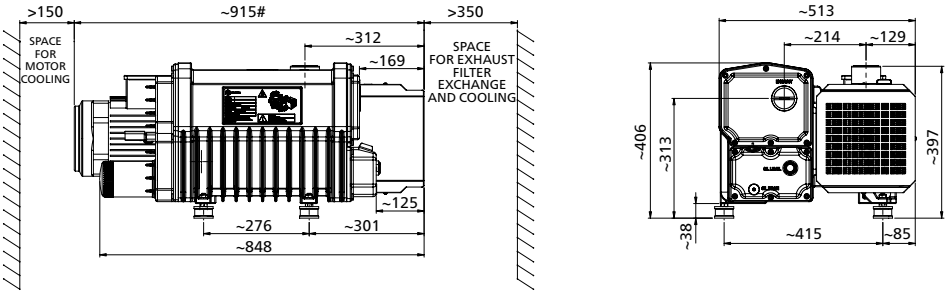
GVS 65 R



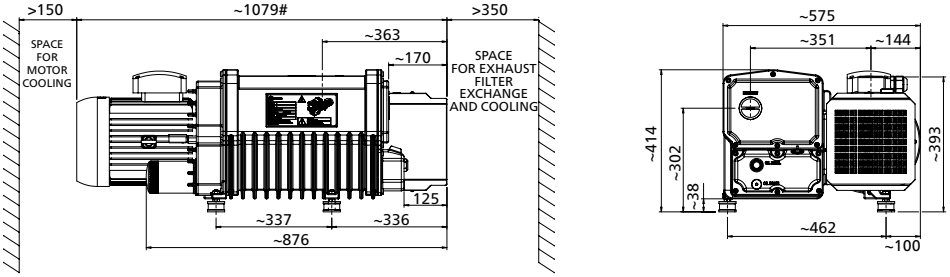
GVS 100 R



GVS 200 R



GVS 300 R



All indicated dimensions are in mm

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Vacuum
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Atlas Copco Industrial Vacuum

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